BEST AVAILABLE COPY

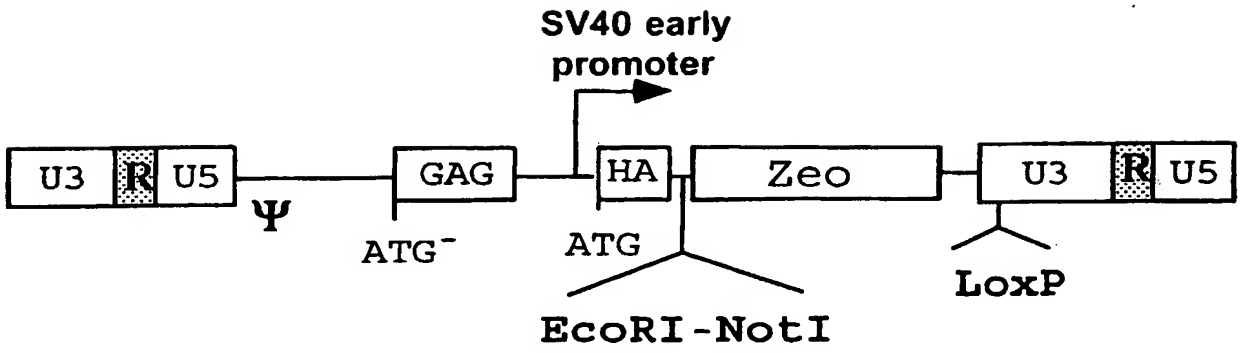
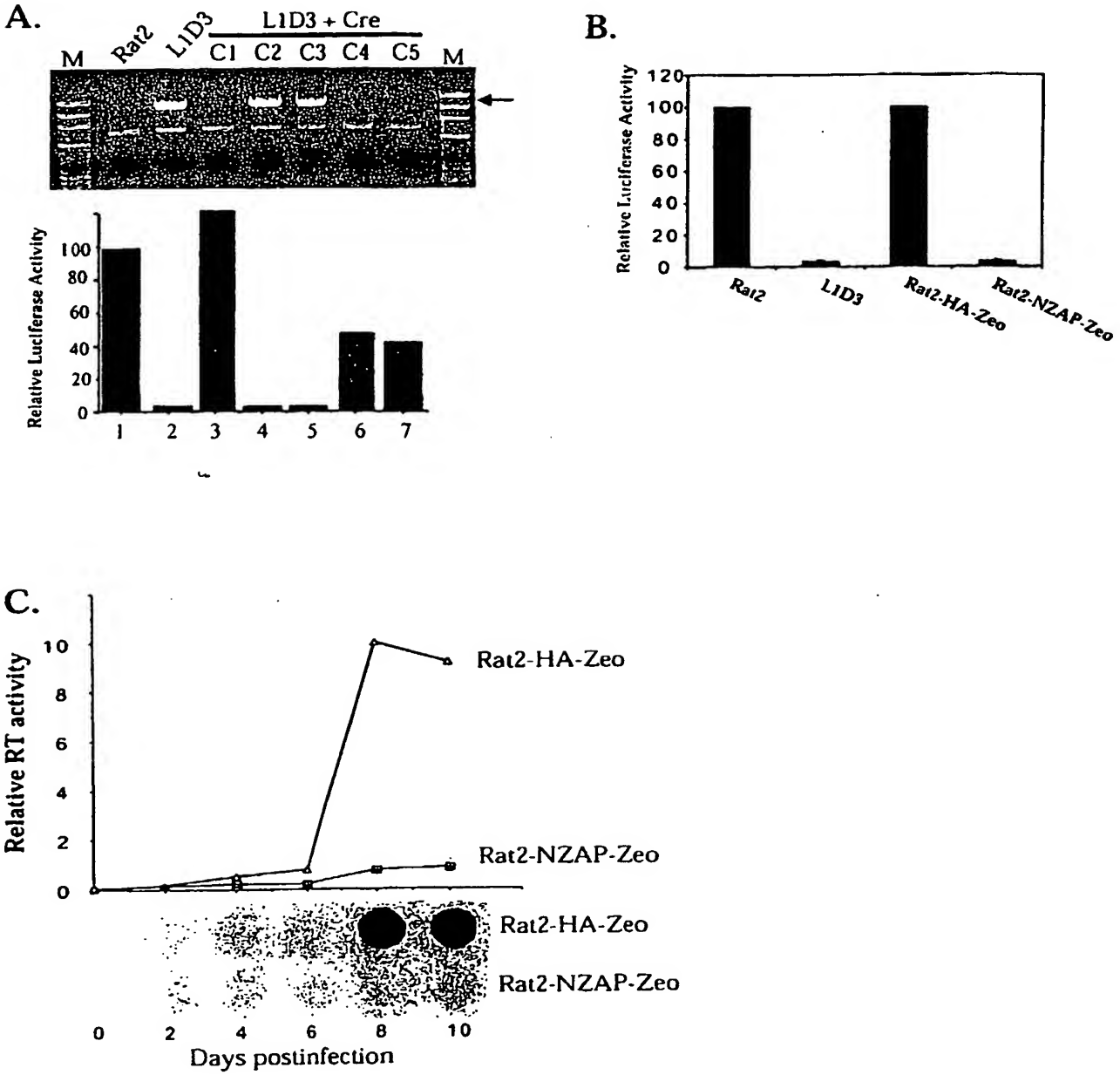


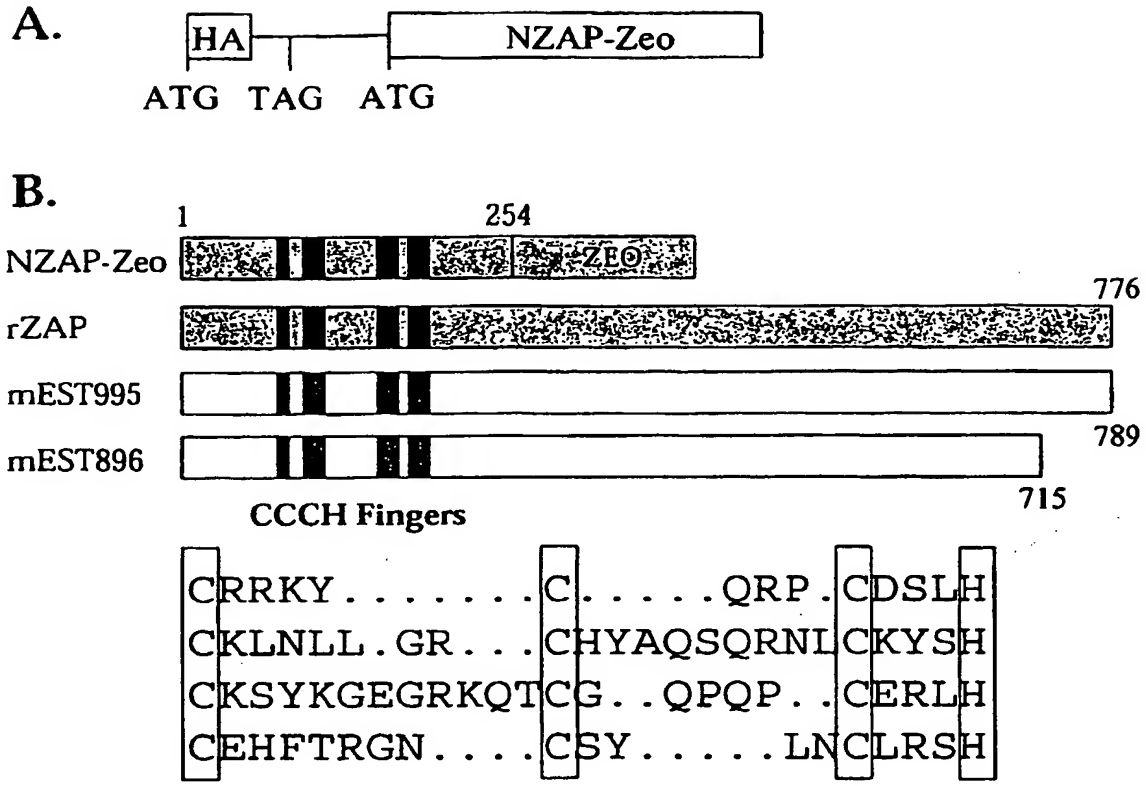
FIG. 1

BEST AVAILABLE COPY



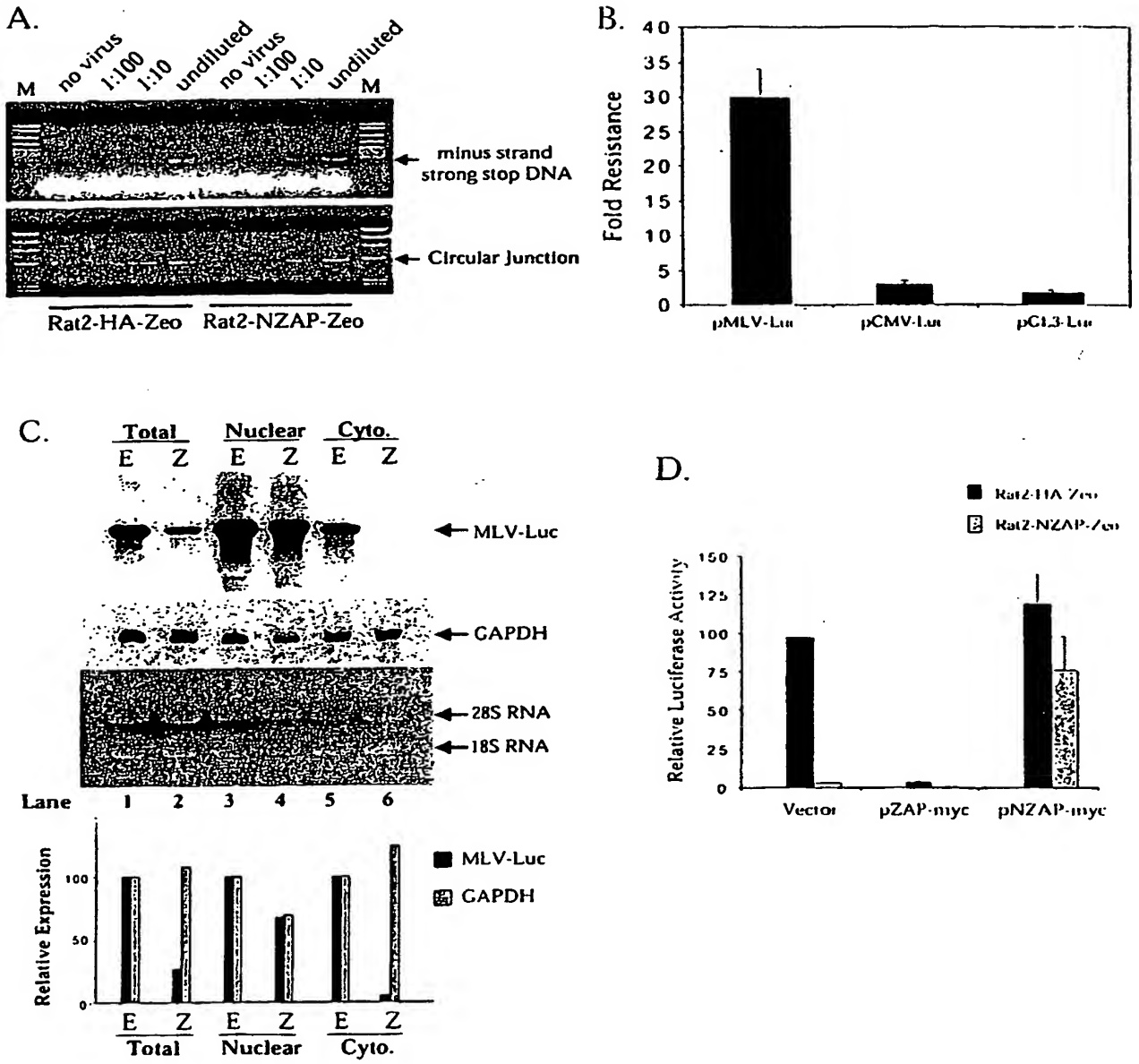
FIGS. 2A - C

BEST AVAILABLE COPY



FIGS. 3A - C

BEST AVAILABLE COPY



FIGS. 4A – D

BEST AVAILABLE COPY

ZAP-Amino Acid-Sequence:

"MADPGVCCFITKILCAHGGRMTLEELLGEIRLPEAQLYELLETAGPDRFVLLETGG
QAGITRSVVATTRARVCRRKYCQRPCDSLHLCKLNLLGRCHYAQSQRNLCKYSHDVL
SEQNFQILKNHELSGLNQEELACLLVQSDPFFLPEICKSYKGEGRKQTCGQPQPCER
LHICEHFTRGNCSYLNCLRSHNLMDRKVLTIMREHGLSPDVVQNIQDICNNKHARRN
PPGTRAAHPHRRGGAHRDRSKSRDRFLHNSLEFLSPVVSPLGSGPPSPDVTSCKDSL
EDVSVDVTQKFKYLGTHDRAQLSPVSSKAAGVQGPSQMRASQEFSEDGNLDDIFSRN
RSDSSSSRASAAKVAQRNEAVAMKMGMEVKGKKEAPDIDRVPFLNSYIDGVTMEKAS
VSGIPGKKFTANDLENLLLLNDTWKNVAKPQDLQTTGRITDSGQDKAFLQNKYGGNP
VWASASTHNAPNGSSQIMDETPNVSKSSTSGFAIKPAIAGGKEAVYSGVQSPRSQVL
AVPGEATTPVQSNRLPQSPLSSSSHRAAASGSPGKNSTHTSVSPAIESSRMTSDPDE
YLLRYILNPLFRMDNHGPKEICQDHLYKGCQQSHCDRSHFHLPYRWQMFVYTTWRDF
QDMESIEQAYCDPHVELILIENHQINFQKMTCDSYPIRRLSTPSYEEKPLSAVFATK
WIWYWKNEFNEYIQYGNESPGHTSSDINSAYLESFFQSCPRGVLPFQAGSQKYELSF
QGMIQTNIASKTQRHVVRRPVFVSSNDVEQKRRGPE" (SEQ ID NO: 1)

FIG. 5A

BEST AVAILABLE COPY

ZAP cDNA Sequence:

"atggcagatcccggggtatgctgtttcatcaccaagatcctgtgcgcccacggggg
ccgtatgaccctggaggaactgctgggtgagatcaggctccccgaggcgcagctcta
cgagctgctggagacggcggggcccgategettcgtgctattggagactggaggcca
ggccgggatcactcggtctgtagtggctactactcgagcccgcgtctgccgtcggaa
gtactgccagagaccctgcgacagcctgcacctctgcaagcttaatctgctcggccg
gtgccactatgcacagtctcagcggaacctctgcaaatattctcacgatgttctctc
ggaacagaacttccagatcctgaagaatcatgagctctctgggcttaaccaagagga
gctagcttgcctcctggtccaaagcgacccttttttcctgcccgagatatgcaagag
ttacaaaggagagggccgaaaacagacctgtgggcagccacagccatgcgagagact
ccacatctgtgagcacttcacccgcggcaactgcagttacctcaactgtctcaggtc
tcacaacctgatggacagaaaggtgttgaccatcatgagggagcacgggctgagtcc
tgatgtggtccagaacatccaggacatctgcaacaacaaacacgccaggaggaaccc
gcctggcacgagagctgcccatccacaccgcagaggcggcgcacacagagacagaag
caaaagcagagaccgcttccttcacaacagtctagaatttctctcacctgttgtctc
acctctgggatctggtccgcctagcccagatgtcaccagctgtaaagattccctgga
ggatgtgtctgtggatgtcacccagaagttcaagtacttggggacgcatgaccgtgc
gcagctctccccagtctcatctaaggctgctggtgttcaaggacccagtcaaatgag
agcaagccaagagttttcagaggatgggaatctagatgacatattttctaggaatcg
ttctgattcatcatcaagtcgagcctccgctgccaaggtggcacaaagaaatgaagc
tgtggccatgaaaatgggcatggaggtcaagggcaagaaggaggctccagacatcga
tcgggtcccatttttaaatagttatattgatggggtgaccatggaaaaagcatcggt
ctcaggaattccaggcaaaaagttcacagccaatgatctggaaaatttgctattact
taacgacacttggaagaatgtggctaagccccaggatctgcagaccacaggcagaat
cactgacagtggccaagacaaggcattcctgcagaataaatatggaggaaacccagt
gtgggcaagtgcatccacccataatgccccaaatggctctagtcaaattatggatga
aactcctaatgtctctaaaagtagtaccagtggttttgccataaaaccagcaattgc
tggaggaaaagaagcagtctattctggagttcagagtccgagaagccaggtcctagc
tgtgcctggggaggctactaccctgtacagagcaacaggctgcctcagtcgcctct
gtcttcctcaagccacagagctgcagcctctgggagccctggcaagaactccaccca
tacctctgtgagcccagccatcgagtcttcaaggatgacatcagaccccgatgagta
tctcctacgctacatcctaaatcctttatttaggatggataatcatggcccgaagga
aatctgtcaggaccatctgtacaagggctgtcaacagagccactgcgacaggagtca
cttccatctgccctaccggtggcagatgttcgtatataccacttggagggacttcca
ggacatggagtctatcgaacaggcctattgtgatccccacgttgaactcattttgat
agaaaaccatcagatcaatttccagaaaatgacctgtgactcctaccccatccgacg
cctctccactccctcatatgaggaaaagccacttagtgctgtcttcgccaccaagtg
gatttggtattggaagaatgaatttaatgaatatatccagtatgggaatgagagccc
aggccacaccagctctgacatcaactctgcgtacctggagtctttcttccagtcttg
tcccaggggagttttgccattccaggctggttcacagaagtacgagttaagcttcca
agggatgattcagacaaatatagcttccaagactcaaaggcatgttgtcagaaggcc
agtatttgtttcttcgaacgatgtggagcagaagagaagaggtccagagtga"
(SEQ ID NO: 2)

FIG. 5B